

Applicant(s): Katarzyna Leijten-Nowak
Serial No.: 10/525,490
Filed: February 23, 2005
For: RECONFIGURABLE ELECTRONIC DEVICE HAVING INTERCONNECTED DATA STORAGE DEVICES
Art Unit: 2819
Examiner: Crawford, Jason

Attorney Docket No.: NL020827

IN THE CLAIMS:

Please consider the following claims:

1. (original) A reconfigurable electronic device, comprising:
 - a first data storage device being responsive to a control signal;
 - a second data storage device being responsive to a further control signal, the second data storage device being coupled to the first data storage device for receiving a data copy from the first data storage device;
 - a first address decoder coupled to the first data storage device for allowing a read access of the first data storage device; and
 - a second address decoder coupled to the second data storage device for allowing a read access of the second data storage device;

characterized in that the first address decoder is arranged to allow a write access of the first data storage device.

2. (original) A reconfigurable electronic device as claimed in claim 1, characterized in that:
 - the read access of the first data storage device is enabled during a first phase of the control signal and the write access of the first data storage device is enabled during a second phase of the control signal;
 - the read access of the second data storage device is enabled during a first phase of the further control signal and a data copy action from the first data storage device to the second storage device is enabled during a second phase of the further control signal;
 - the first phase of the control signal occurring before the second phase of the control signal.

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3. (original) A reconfigurable electronic device as claimed in claim 1, characterized in that the second data storage device has a second plurality of data storage elements coupled to a first plurality of data storage elements of the first data storage device via a configurable data copy circuit.
4. (original) A reconfigurable electronic device as claimed in claim 3, characterized in that the data copy circuit comprises a data copy cell for coupling a data storage element from the first data storage device to a further data storage element from the second data storage device, the data copy cell comprising an enable switch coupled to a driver circuit.
5. (previously amended) A reconfigurable electronic device as claimed in claim 1 or 2, characterized in that the first data storage device and the second data storage device are look-up tables.